IFWO

RAW SEQUENCE LISTING   DATE: 08/31/2004
PATENT APPLICATION: US/10/798,773   TIME: 13:01:02

Input Set : N:\Crf3\RULE60\10798773.raw
Output Set: N:\CRF4\08312004\J798773.raw

```
 1 <110> APPLICANT: Yu, Xuanchuan
 2        Xie, Qiongshu
 3        Abuin, Alejandro
 4        Walke, D. Wade
 5 <120> TITLE OF INVENTION: Novel Human Kinases and Polynucleotides Encoding the Same
 6 <130> FILE REFERENCE: LEX-0344-USA
 7 <140> CURRENT APPLICATION NUMBER: US/10/798,773
 8 <141> CURRENT FILING DATE: 2004-03-11
 9 <150> PRIOR APPLICATION NUMBER: US/10/141,634
10 <151> PRIOR FILING DATE: 2002-05-08
11 <150> PRIOR APPLICATION NUMBER: US 60/289,727
12 <151> PRIOR FILING DATE: 2001-05-09
13 <160> NUMBER OF SEQ ID NOS: 4
14 <170> SOFTWARE: FastSEQ for Windows Version 4.0
16 <210> SEQ ID NO: 1
17 <211> LENGTH: 1440
18 <212> TYPE: DNA
19 <213> ORGANISM: homo sapiens
20 <400> SEQUENCE: 1
21        atggacgcca ctatcgcccc gcaccgtatc cccccgaga tgccccagta cggggaggag 60
22        aaccacatct tcgagttgat gcagaacatg ctggagcaac tcctgatcca ccagcccgaa 120
23        gatcccatcc ccttcatgat ccagcacttg catagagaca acgacaatgt gcccaggatt 180
24        gtaatattag gtccacccgc ctcagggaaa acaacaatag caatgtggct ctgcaaacat 240
25        ctgaacagca gtctcctcac cctggagaac ctgatcttaa atgagttttc ctatacggcc 300
26        accgaagcca gaaggcttta tctgcaaagg aagacagttc ccagcgcgct gctcgtccag 360
27        ctgattcagg aacgcctggc tgaagaggat tgcatcaagc agggctggat tctggatggc 420
28        atccctgaga cgcgtgagca ggctctgagg atccagaccc tggggatcac acccagacac 480
29        gtcattgtgc tgagtgctcc agacacggtc ctgatcgaga gaaacttggg gaagagaatc 540
30        gaccctcaaa ctggagagat ttatcacacc acctttgact ggccacccga atctgaaatc 600
31        cagaaccgtc tcatggtgcc agaggacatc tcagagctgg agacggctca gaaactgctg 660
32        gagtatcata ggaacatcgt cagggtcatt ccctcctacc ccaaaatcct caaagtcatc 720
33        agtgctgacc agccatgtgt ggacgtcttc taccaggctc tgacctatgt ccaaagcaac 780
34        catcgtacta atgccccgtt cacccccgagg gtgctgctgc tcgggcctgt gggcagtggg 840
35        aaaagtctgc aggccgccct cctggcccag aaatacaggc ttgtcaatgt ctgctgtggg 900
36        caactgctga agaggctgt ggcagatagg accacgtttg gcgagctcat ccagcccttc 960
37        tttgaaaagg agatggcagt tcctgacagc ctcctcatga aggtgctgag ccagcgcctg 1020
38        gaccagcagg actgcatcca gaaaggctgg gtgctacacg gcgtcccgcg ggacctcgac 1080
39        caggcacacc tgctgaaccg cctgggctac aatcccaaca gggtgttttt cctgaatgtg 1140
40        ccatttgatt ccatcatgga gcggctgact ctgagaagaa ttgatccagt cactggggaa 1200
41        aggtaccacc tcatgtacaa gccacctccc accatggaga tccaggctcg cctcctgcag 1260
42        aacccaaagg atgctgaaga gcaggtcaag ctgaaaatgg acctgttcta caggaactca 1320
43        gctgacttgg agcagttgta tgggtcggcc atcaccctca atggggacca ggacccatac 1380
44        acagtcttcg aatacatcga gagtgggatc attaatcccc tgcccaagaa aatcccctga 1440
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46 <210> SEQ ID NO: 2
47 <211> LENGTH: 479
48 <212> TYPE: PRT
49 <213> ORGANISM: homo sapiens
50 <400> SEQUENCE: 2
51      Met Asp Ala Thr Ile Ala Pro His Arg Ile Pro Pro Glu Met Pro Gln
52      1               5                   10                  15
53      Tyr Gly Glu Glu Asn His Ile Phe Glu Leu Met Gln Asn Met Leu Glu
54                  20                  25                  30
55      Gln Leu Leu Ile His Gln Pro Glu Asp Pro Ile Pro Phe Met Ile Gln
56                  35                  40                  45
57      His Leu His Arg Asp Asn Asp Asn Val Pro Arg Ile Val Ile Leu Gly
58          50                  55                  60
59      Pro Pro Ala Ser Gly Lys Thr Thr Ile Ala Met Trp Leu Cys Lys His
60      65                  70                  75                  80
61      Leu Asn Ser Ser Leu Leu Thr Leu Glu Asn Leu Ile Leu Asn Glu Phe
62                  85                  90                  95
63      Ser Tyr Thr Ala Thr Glu Ala Arg Arg Leu Tyr Leu Gln Arg Lys Thr
64                  100                 105                 110
65      Val Pro Ser Ala Leu Leu Val Gln Leu Ile Gln Glu Arg Leu Ala Glu
66                  115                 120                 125
67      Glu Asp Cys Ile Lys Gln Gly Trp Ile Leu Asp Gly Ile Pro Glu Thr
68              130                 135                 140
69      Arg Glu Gln Ala Leu Arg Ile Gln Thr Leu Gly Ile Thr Pro Arg His
70      145                 150                 155                 160
71      Val Ile Val Leu Ser Ala Pro Asp Thr Val Leu Ile Glu Arg Asn Leu
72                  165                 170                 175
73      Gly Lys Arg Ile Asp Pro Gln Thr Gly Glu Ile Tyr His Thr Thr Phe
74                  180                 185                 190
75      Asp Trp Pro Pro Glu Ser Glu Ile Gln Asn Arg Leu Met Val Pro Glu
76                  195                 200                 205
77      Asp Ile Ser Glu Leu Glu Thr Ala Gln Lys Leu Leu Glu Tyr His Arg
78              210                 215                 220
79      Asn Ile Val Arg Val Ile Pro Ser Tyr Pro Lys Ile Leu Lys Val Ile
80      225                 230                 235                 240
81      Ser Ala Asp Gln Pro Cys Val Asp Val Phe Tyr Gln Ala Leu Thr Tyr
82                  245                 250                 255
83      Val Gln Ser Asn His Arg Thr Asn Ala Pro Phe Thr Pro Arg Val Leu
84                  260                 265                 270
85      Leu Leu Gly Pro Val Gly Ser Gly Lys Ser Leu Gln Ala Ala Leu Leu
86                  275                 280                 285
87      Ala Gln Lys Tyr Arg Leu Val Asn Val Cys Cys Gly Gln Leu Leu Lys
88              290                 295                 300
89      Glu Ala Val Ala Asp Arg Thr Thr Phe Gly Glu Leu Ile Gln Pro Phe
90      305                 310                 315                 320
91      Phe Glu Lys Glu Met Ala Val Pro Asp Ser Leu Leu Met Lys Val Leu
92                  325                 330                 335
93      Ser Gln Arg Leu Asp Gln Gln Asp Cys Ile Gln Lys Gly Trp Val Leu
94                  340                 345                 350
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 95          His Gly Val Pro Arg Asp Leu Asp Gln Ala His Leu Leu Asn Arg Leu
 96                  355                 360                 365
 97          Gly Tyr Asn Pro Asn Arg Val Phe Phe Leu Asn Val Pro Phe Asp Ser
 98              370                 375                 380
 99          Ile Met Glu Arg Leu Thr Leu Arg Arg Ile Asp Pro Val Thr Gly Glu
100          385                 390                 395                 400
101          Arg Tyr His Leu Met Tyr Lys Pro Pro Pro Thr Met Glu Ile Gln Ala
102                      405                 410                 415
103          Arg Leu Leu Gln Asn Pro Lys Asp Ala Glu Glu Gln Val Lys Leu Lys
104                      420                 425                 430
105          Met Asp Leu Phe Tyr Arg Asn Ser Ala Asp Leu Glu Gln Leu Tyr Gly
106                  435                 440                 445
107          Ser Ala Ile Thr Leu Asn Gly Asp Gln Asp Pro Tyr Thr Val Phe Glu
108              450                 455                 460
109          Tyr Ile Glu Ser Gly Ile Ile Asn Pro Leu Pro Lys Lys Ile Pro
110          465                 470                 475
112 <210> SEQ ID NO: 3
113 <211> LENGTH: 285
114 <212> TYPE: DNA
115 <213> ORGANISM: homo sapiens
116 <400> SEQUENCE: 3
117          atggagcggc tgactctgag aagaattgat ccagtcactg gggaaaggta ccacctcatg 60
118          tacaagccac ctcccaccat ggagatccag .gctcgcctcc tgcagaaccc aaaggatgct 120
119          gaagagcagg tcaagctgaa aatggacctg ttctacagga actcagctga cttggagcag 180
120          ttgtatgggt cggccatcac cctcaatggg gaccaggacc catacacagt cttcgaatac 240
121          atcgagagtg ggatcattaa tcccctgccc aagaaaatcc cctga               285
123 <210> SEQ ID NO: 4
124 <211> LENGTH: 94
125 <212> TYPE: PRT
126 <213> ORGANISM: homo sapiens
127 <400> SEQUENCE: 4
128          Met Glu Arg Leu Thr Leu Arg Arg Ile Asp Pro Val Thr Gly Glu Arg
129          1               5                   10                  15
130          Tyr His Leu Met Tyr Lys Pro Pro Pro Thr Met Glu Ile Gln Ala Arg
131                      20                  25                  30
132          Leu Leu Gln Asn Pro Lys Asp Ala Glu Glu Gln Val Lys Leu Lys Met
133                  35                  40                  45
134          Asp Leu Phe Tyr Arg Asn Ser Ala Asp Leu Glu Gln Leu Tyr Gly Ser
135           , 50                  55                  60
136          Ala Ile Thr Leu Asn Gly Asp Gln Asp Pro Tyr Thr Val Phe Glu Tyr
137          65                  70                  75                  80
138          Ile Glu Ser Gly Ile Ile Asn Pro Leu Pro Lys Lys Ile Pro
139                      85                  90
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RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 08/31/2004
PATENT APPLICATION: **US/10/798,773**   TIME: 13:01:03

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Invalid Line Length:
The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:1; Line(s) 5

VERIFICATION SUMMARY   DATE: 08/31/2004
PATENT APPLICATION: **US/10/798,773**   TIME: 13:01:03

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Output Set: **N:\CRF4\08312004\J798773.raw**